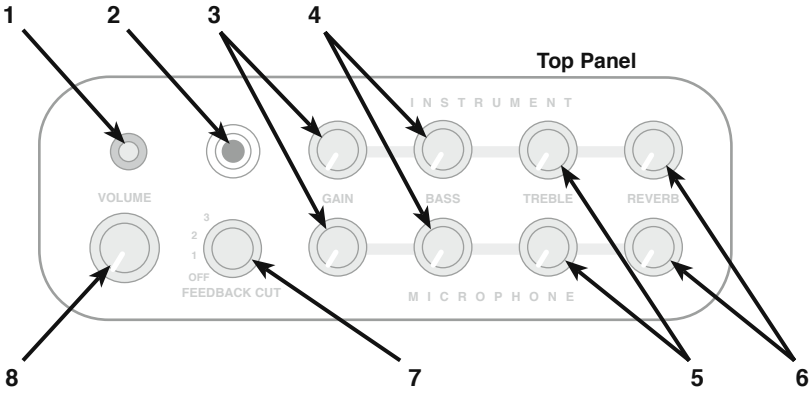
Owner's Manual

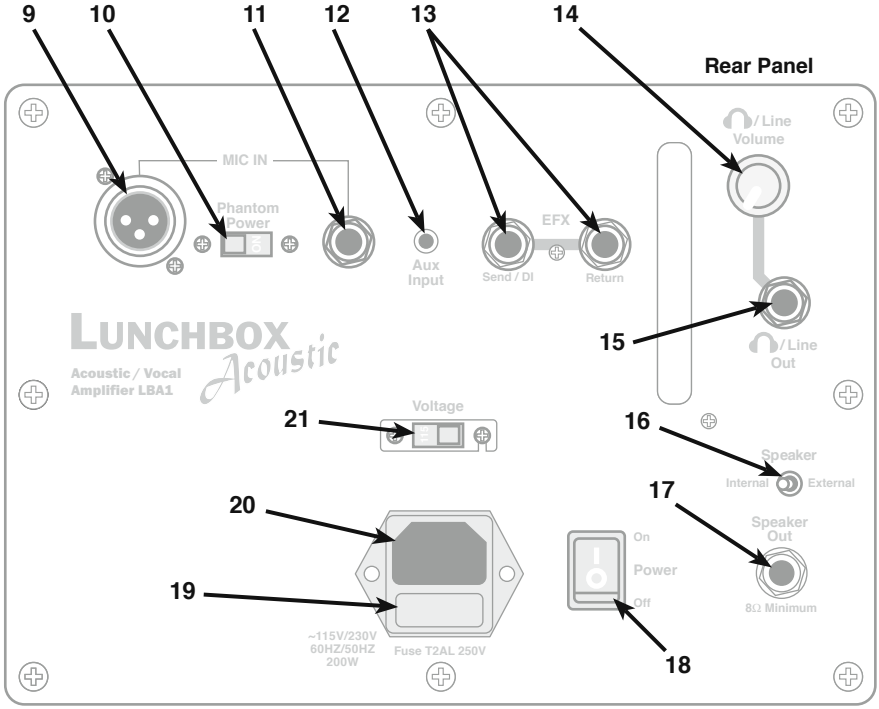
ZT Amplifiers

LUNCHBOX ACOUSTIC

Acoustic/Vocal Amplifier LBA1

Features


Top Panel
INSTRUMENT
VOLUME
GAIN
BASS
TREBLE
REVERB
3
2
1
OFF
FEEDBACK CUT
MICROPHONE
1
2
3
4
5
6
7
8


Rear Panel
MIC IN
Phantom Power
Aux Input
EFX
Send / DI
Return
/ Line Volume
/ Line Out
LUNCHBOX
Acoustic
Acoustic / Vocal Amplifier LBA1
Voltage
Speaker
Internal
External
Speaker Out
8Ω Minimum
On
Power
Off
~115V/230V 60HZ/50HZ 200W
Fuse T2AL 250V
9
10
11
12
13
14
15
16
17
18
19
20
21

Top Panel Features

1. Pilot Light — LED that indicates the amplifier is on.
2. INPUT Jack — Plug in your instrument here. The input can take a wide range of instrument signal levels based on how you set the gain control.
3. GAIN Controls — Controls the amount of input signal for each channel of the amplifier. Use these to balance the volume between your microphone and guitar. Keeping this as high as possible will help reduce noise. NOTE: The Lunchbox Acoustic was designed to work with a very wide range of guitar signal levels, because of this, it is not unusual to have the guitar gain turned up very high to get optimum tone and volume.
4. BASS Controls — Turn all the way to the right for extra warmth, or all the way to the left to roll off the lows and increase clarity. Leave the knob centered for the most neutral tone.
5. TREBLE Controls — Turn all the way to the right for a bright crisp tone, or all the way to the left to roll off the highs and smooth out your tone. Leave the knob centered for the most neutral tone.
6. REVERB Controls — Turn to the left for no reverb and to the right for a plate-style reverb effect.
7. FEEDBACK CUTs — An adjustable notch filter that cuts frequencies that commonly cause feedback from acoustic guitars. This feature will not eliminate all feedback, but can help when you are unable to play at a lower volume, or keep your guitar farther away from the speaker.
8. VOLUME Control — Controls the master volume of the amplifier.

Rear Panel Features

9. XLR Microphone Input — A balanced input for a microphone with an XLR connector.
10. Phantom Power Switch — Sends power to condenser microphones and other equipment designed to work with phantom power. Consult the manufacturer's specifications to see if your equipment requires phantom power. Phantom power does not affect the ¼ inch microphone input.
11. ¼ Inch Microphone/Line Input -– An unbalanced input for a microphone that uses an instrument cable or for an additional instrument.
12. Aux Input — Stereo ⅛ inch (3.5 mm) input for music or other audio. The VOLUME control is the only control that affects this signal.
13. Effects Loop/DI — Use this to send a signal to effects pedals or an external effects processor. Using an effects loop can help keep noise down and boost signal strength. The effects send can also be used as a DI to send to a PA or recording equipment. This signal is affected by all the controls except master volume. Headphone/Line Out Volume Control — Controls the volume of the Headphone/Line Out jack.
14. Headphone/Line Out Volume Control — Controls the volume of the Headphone/Line Out jack.
15. Headphone/Line Out Jack — Stereo ¼ inch (6.35 mm) jack to drive headphones or send a line out to monitoring or recording equipment. Use the Headphone/Line Out Volume Control to adjust the signal level.
16. Speaker Selector Switch — Select between the internal 6.5 inch (165 mm) speaker and an external cabinet. Use this for quiet practicing with headphones or for using the amplifier solely as a head to power an external cabinet. NOTE: The Lunchbox Acoustic will power either the internal speaker or an external cabinet, but not both together.
17. Speaker Out Jack — Use a ¼ inch (6.35 mm) speaker cable to power an external speaker. Minimum recommended speaker impedance is 8Ω.
18. Power Switch — Turns the Lunchbox Acoustic on or off.

19. Fuse — Protects the amplifier from electrical faults. Always replace with the correct fuse type as indicated on rear panel.
20. AC Power Jack — Plug in your detachable AC power cable here.
21. Voltage selector — To select between the mains voltages of different electrical systems, check to make sure this is set correctly before you use your amplifier and contact your dealer or ZT Amplifiers directly if you have any questions. Setting the voltage incorrectly will cause permanent damage to the amplifier.

Important Safety Instructions

READ INSTRUCTIONS – All safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS – Safety and operating instructions should be retained for future reference.

HEED WARNINGS – All Warnings on the appliance and in operating instructions should be adhered to.

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

WATER AND MOISTURE – The appliance should not be used near water or anywhere that it could come in contact with water.

CARTS AND STANDS – Do not place this product on an unstable cart, stand, tripod or table.

VENTILATION – The appliance should be situated so that its location and position do not interfere with proper ventilation. The appliance should not be situated on any surface that may obstruct airflow.

HEAT – The appliance should be situated away from any heat sources.

POWER SOURCES – This product should only be operated from the type of power source indicated on the marking label. If you are not sure of the power supply in your home, consult your product dealer or local power company.

POWER CORD PROTECTION – Power supply cords should be routed so that they are not likely to be walked upon or pinched by items placed upon or against them.

POLARIZED PLUG – This product may be equipped with a polarized plug (one blade wider than the other). This is a safety feature and should not be defeated. If you are unable to insert your plug into an outlet, contact an electrician to replace an obsolete outlet.

GROUNDING/EARTHING – This product must be connected to a mains outlet with a proper ground/earth connection.

LIGHTNING/POWER SURGES – For added protection for this product during a lightning storm or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect any cables. This will prevent damage to the product during a lightning storm or power line surges

OVERLOADING – Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.

CLEANING – Unplug this product from the outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

NON-USE PERIODS – This amplifier should be unplugged from the outlet when the appliance is left unused for a long period of time.

OBJECT AND LIQUID ENTRY – Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid or any kind on this product.

DAMAGE REQUIRING SERVICE – This appliance should be serviced by authorized personnel when:

- The power supply cord or plug has been damaged; or
- Objects have fallen on or liquid has been spilled into the appliance; or

- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped or the enclosure is damaged.

SERVICING AND PARTS – Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltages or other hazards. Contact ZT Amplifiers to find warranty information or to locate authorized service personnel.

SAFETY CHECK – Upon completion of any service or repairs to this product, ensure the service technician has performed safety checks to determine that the product is in proper operating condition.

HEARING LOSS – Sustained high sound pressure levels can cause temporary or permanent hearing damage.

HEAT AND SUNLIGHT – Avoid lengthy exposure to high heat or direct sunlight to prevent damage to the vinyl finish.

A Message From ZT

The Lunchbox Acoustic Guitar Amplifier is a compact 2-channel solution for the performing acoustic musician. It has separate custom EQ and signal processing for the guitar and microphone signals so you can dial in the exact sound that you need. The full reverb adds richness and depth to any song and an adjustable feedback cut keeps you safe in venues where you can't isolate your guitar from your amp. The Lunchbox Acoustic gets you the tone and volume you need, while still fitting on a coffee house stage. We thank you for buying a Lunchbox Acoustic Amplifier, and welcome you to a new way of thinking about guitar amps.

ZT products push the boundaries of what you can expect from a musical instrument amplifier. We believe that a simple, powerful, great-sounding amp helps to unleash the creative spirit in every musician. Our team of experienced audio scientists and passionate musicians strive to blend technological innovation with real musical value. The results, we think, are seriously fun!

Part of the success of ZT comes from taking out customers' opinions seriously. If you have a question, comment, concern, compliment, or criticism then we want to know about it. Check out our website, send us an email, or give us a call and let us know what you think.

Technical Specifications

Input Impedance: >1MΩ

Speaker: 6.5 inch (165 mm)

Dimensions: 7.5" (192mm) h x 9.8" (250mm) w x 7.7" (196mm) d

Weight: 12 lbs. (5.4 kg)

SPL: >115dB at 1 meter

Total Output Power: 200 watts

Voltage: 115V / 230V Selectable

Controls:

Top Panel: 2x Gain, 2x Bass, 2x Treble, 2x Reverb, Feedback Cut, Volume Master
Back Panel: Volume Headphone/Line Out, Speaker Selector Swithch

Troubleshooting

In talking to our customers, we've found that most issues can be resolved with a few simple checks. If you're having a problem with your amplifier, try running through the following steps.

Amplifier doesn't power on:

- Check that the power cable is plugged
- Try using an electrical outlet in another room
- Check that the fuse hasn't blown

No sound from the speaker:

- Check that the speaker switch on the back is set correctly
- Check that the instrument cable is not damaged or broken

Noisy signal from the amplifier:

- Check that your electrical outlet is grounded
- Try using an electrical outlet in another room
- Keep the GAIN control as high as possible to reduce noise, turn down the VOLUME control to compensate

If you are still experiencing problems with your ZT Amplifiers product, please contact us at techsupport@ztamplifiers.com.

Service

For service within the United States please contact ZT Amplifiers at service@ztamplifiers.com for all service and repair questions. Please include a description of the problem and the serial number of the product. Outside the USA, consumers should check www.ztamplifiers.com/shop/international.html to locate the distributor in your territory.

Limited Warranty

ZT Amplifiers, Inc., warrants that the ZT product you have purchased shall be free of defects in parts and workmanship if used under normal operating conditions for a period of one (1) year from the date of purchase. This limited warranty shall run to the original purchaser when purchased from an Authorized ZT Dealer and any transferee of a retail purchaser. This limited warranty covers normal use of the ZT product only, and does not cover damages caused by misuse, abuse, accidents, or unauthorized service or parts.

IMPORTANT: PLEASE RETAIN YOUR SALES RECEIPT, AS IT IS YOUR PROOF OF PURCHASE COVERING YOUR LIMITED WARRANTY. TO TRANSFER THE WARRANTY TO A SUBSEQUENT PURCHASER, YOU MUST ENDORSE THE SALE OF THE PRODUCT TO THE SUBSEQUENT PURCHASER ON THE FRONT OF THE SALES RECEIPT. THIS LIMITED WARRANTY IS VOID WITHOUT SUCH ENDORSED SALES RECEIPT.

Defective products that qualify for coverage under this limited warranty will be repaired or replaced, at ZT's discretion, with a like or comparable product, without charge. The ZT Amplifiers Dealer from whom you purchased your product may be authorized for warranty service, and should be your first point of contact when service is required. To receive warranty service from ZT Amplifiers, you must contact ZT Amplifiers by email during the warranty period at techsupport@ztamplilfiers.com to explain the defect and to obtain an RMA number (return materials authorization number), then return the complete product (in original packaging, if available) to an Authorized ZT Amplifiers Service Center, with proof of purchase, during the applicable warranty period. You are responsible for shipping the defective product to the Service Center. Return shipment will be provided at no cost to you; provided, however, that if you are located in a country other than the United States of America, then you will be responsible for all customs duties, VAT and other associated taxes and charges applicable to the shipment of the product. Any repair or service performed by any person or entity other than an Authorized ZT Amplifiers Service Center is not covered by this limited warranty. This limited warranty becomes void if the serial number on any product is defaced or removed, or the product has been damaged by alteration, misuse, accident, or neglect; or the product has been repaired or serviced by persons not authorized by ZT Amplifiers.

THE FOREGOING CONSTITUTES THE ONLY WARRANTY MADE BY ZT AMPLIFIERS WITH RESPECT TO THE PRODUCTS AND IS MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. Any implied warranties, including, without limitation, any implied warranties of merchantability or fitness for any particular purpose, imposed under the law of any applicable jurisdiction are limited to the duration of this limited warranty.

ZT AMPLIFIERS ASSUMES NO LIABILITY FOR PROPERTY DAMAGE RESULTING FROM ANY DEFECT OF THIS PRODUCT NOR ANY LOSS OF BUSINESS, INCOME, PROFIT, SATISFACTION, OR DAMAGES ARISING FROM THE LOSS OF USE OF SAME DUE TO DEFECTS OR AVAILABILITY OF SAME DURING SERVICE. NOTWITHSTANDING ANY DAMAGES YOU MIGHT INCUR FOR ANY REASON WHATSOEVER, THE ENTIRE LIABILITY OF ZT AMPLIFIERS SHALL BE LIMITED TO THE AMOUNT ACTUALLY PAID BY YOU FOR THE DEFECTIVE PRODUCT.

Some jurisdictions do not allow the exclusion or limitation of damages or limitations on how long an implied warranty lasts, so the above limitations may not be applicable to you.

EFFECTIVE DATE: December 1, 2008
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